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NOTIFICATION OF ELECTION

(PCT Rule 61.2)

Commissioner **US Department of Commerce** United States Patent and Trademark Office, PCT 2011 South Clark Place Room CP2/5C24

From the INTERNATIONAL BUREAU

Arlington, VA 22202 ETATS-UNIS D'AMERIQUE

17 January 2001 (17.01.01)	in its capacity as elected Office
International application No. PCT/AU00/00638	Applicant's or agent's file reference 92569
International filing date (day/month/year) 07 June 2000 (07.06.00)	Priority date (day/month/year) 07 June 1999 (07.06.99)
Applicant SMITH, Glenn, Martin et al	

X in the demand filed with the International Preliminary Examining Authority on:
19 December 2000 (19.12.00)
in a notice effecting later election filed with the International Bureau on:
The election X was
was not
made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorized officer

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REC'E	22	MAY	2001
V/IPO		- <u>-</u>	CT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 92569	FOR FURTHER ACTION	See Notification of Examination Repo	f Transmittal of International Preliminary rt (Form PCT/IPEA/416).
International application No. PCT/AU 00/00638	International filing date 07 June 2000	(day/month/year)	Priority Date (day/month/year) 07 June 1999
International Patent Classification (IPC)	or national classification	and IPC	
Int. Cl. ⁷ A61K 39/40, 31/341,			
Int. Ci. Adik 35/10, 31/31/3	,		
Applicant 1. CRC FOR BIOPHARMAC	CEUTICAL RESEARC	CH PTY LTD et a	
This international preliminary and is transmitted to the appli	examination report has because according to Article	peen prepared by the 36.	is International Preliminary Examining Authority
2. This REPORT consists of a to	otal of 4 sheets, includ	ling this cover sheet	
X This report is also acco	· · · · · · · · · · · · · · · · · · ·	i.e., sheets of the de	escription, claims and/or drawings which have ing rectifications made before this Authority (see
These annexes consist of a to	otal of 4 sheet(s).		
3. This report contains indications rela	ting to the following item	ns:	
I X Basis of the rep	ort		
II Priority			
III Non-establishm	ent of opinion with regard	d to novelty, invent	ive step and industrial applicability
IV Lack of unity o	f invention		
V X Reasoned states	ment under Article 35(2) (planations supporting suc	with regard to nove ch statement	lty, inventive step or industrial applicability;
VI Certain docume			
\	in the international appli		
VIII Certain observ	ations on the internationa	l application	
Date of submission of the demand 19 December 2000		Date of completion 02 May 2001	of the report
Name and mailing address of the IPE	A/AU	Authorized Officer	-
AUSTRALIAN PATENT OFFICE PO BOX 200			
WODEN ACT 2606 AUSTRALIA E-mail address: pct@ipaustralia.gov	v.au	STEVEN CHEW	
Facsimile No. (02) 6285 3929		Telephone No. (02	2) 6283 2248

Ι.	Basis of the repo	rt
1.	With regard to the element	ents of the international application:*
	the international a	pplication as originally filed.
	X the description,	pages 1, 2, 4 - 28, as originally filed, pages , filed with the demand, pages 3, 3A, received on 28 March 2001 with the letter of 27 March 2001.
	X the claims,	pages , as originally filed, pages , as amended (together with any statement) under Article 19, pages , filed with the demand, pages 29, 30, received on 28 March 2001 with the letter of 27 March 2001.
	X the drawings,	pages 1/1, as originally filed, pages, filed with the demand, pages, received on with the letter of.
	the sequence listing	pages , as originally filed pages , filed with the demand pages , received on with the letter of .
2.	which the international	uage, all the elements marked above were available or furnished to this Authority in the language in application was filed, unless otherwise indicated under this item. ailable or furnished to this Authority in the following language which is:
		translation furnished for the purposes of international search (under Rule 23.1(b)).
		sublication of the international application (under Rule 48.3(b)).
		the translation furnished for the purposes of international preliminary examination (under Rules 55.2
3.		leotide and/or amino acid sequence disclosed in the international application, was on the basis of the
	contained in the	international application in written form.
	filed together wit	th the international application in computer readable form.
		uently to this Authority in written form.
	furnished subseq	uently to this Authority in computer readable form.
	international app	at the subsequently furnished written sequence listing does not go beyond the disclosure in the lication as filed has been furnished.
	The statement the been furnished	at the information recorded in computer readable form is identical to the written sequence listing has
4.	The amendments	s have resulted in the cancellation of:
	the descri	ption, pages
	the claim	s, Nos.
	the drawi	ngs, sheets/fig
5.	go beyond the d	been established as if (some of) the amendments had not been made, since they have been considered to isclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**
*	Replacement sheets which	h have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this
**	report as "originally filed	t" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17). Intaining such amendments must be referred to under item 1 and annexed to this report



International application No.

PCT/AU 00/00638

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement V.

Statement 1.

tatement			YES
Novelty (N)	Claims Claims	1-19	NO
Inventive step (IS)	Claims Claims		YES NO
Industrial applicability (IA)	Claims Claims		YES NO

Citations and explanations (Rule 70.7) 2.

NOVELTY (N): Claims 1-19

Claims 1 - 19 meet the criteria set forth in PCT Article 33(2) for novelty. The prior art published before the priority date does not disclose a method of ameliorating or preventing temporal progression of burning cutaneous erythema such as that caused by the administration of 30.6 antibody comprising the administration of an H1 and / or H2 receptor antagonist or a method of treating colorectal carcinoma comprising the administration of a 30.6 antibody and an H1 and / or H2 receptor antagonist.

The claimed invention is not obvious in the light of any of the cited documents nor disclosed in any obvious combination, nor would the claimed invention be obvious to a person skilled in the art in the light of common general knowledge by itself or in combination with any of these documents.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT



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Sur	plemental Box					
	1	amaga in	any of the	preceding	hoves is	not sufficient)

Continuation of Box 1 Rule 67 lists the subject matter which is under Article 34 (4) (a)(I) an international preliminary examination is not required to be carried out. At item (iv) it specifies methods for treatment of the human or animal body by surgery or therapy, as well as diagnostic methods, as such matter. However the agreement between WIPO and Australia further qualifies this by excepting from exclusion any subject matter which is examined under national grant procedures. Claims 1 to 19 have nonetheless been considered because the identified subject matter does not contravene Australian law.

CLAIMS:

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- 1. A method of ameliorating or preventing temporal progression of burning cutaneous erythema in a subject wherein the erythema progresses successively from the face to the chest, genitalia, palms and soles of the subject which method comprises administering to a subject in need thereof an effective amount of an H1 and/or H2 receptor antagonist.
- 2. A method as claimed in claim 1 in which the temporal progression of burning cutaneous erythema is caused by the administration of an antibody.
 - 3. A method of ameliorating or preventing at least one adverse side effect associated with the administration of 30.6 antibody to a subject, the method comprising administering an effective amount of an H1 and/or H2 receptor antagonist to the subject in conjunction with administration of the 30.6 antibody.
 - 4. A method of treating colorectal carcinoma in a subject, the method comprising administering to the subject 30.6 antibody and an amount of an H1 and/or H2 receptor antagonist effective in reducing at least one adverse side effect associated with administration of the 30.6 antibody.
 - 5. A method as claimed in any one of claims 1 to 4 in which the method comprises administering an H1 and H2 receptor antagonist.
 - 6. A method as claimed in any one of claims 1 to 5 in which the H1 and/or H2 receptor antagonist is a non-specific antagonist.
- 7. A method as claimed in any one of claims 1 to 6 in which the H1
 30 receptor antagonist is promethazine or a pharmaceutically acceptable salt thereof.
 - 8. A method as claimed in any one of claims 1 to 7 in which the H2 receptor antagonist is ranitidine or a pharmaceutically acceptable salt thereof.

AMENDED SHEET

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Accordingly, in a first aspect the present invention provides a method of ameliorating or preventing temporal progression of burning cutaneous erythema in a subject wherein the erythema progresses successfully from the face to the chest, genitalia, palms and soles of the subject which method comprises administering to a subject in need thereof an effective amount of an H1 and/or H2 receptor antagonist.

In a preferred embodiment of the first aspect, the temporal progression of burning cutaneous erythema is caused by administration of an antibody.

In a second aspect the present invention provides a method of treating colorectal carcinoma in a subject, the method comprising administering to the subject 30.6 antibody and an amount of an H1 and/or H2 receptor antagonist effective in reducing at least one adverse side effect associated with administration of an H1 and/or H2 receptor antagonist.

In a third aspect the present invention provides a method of ameliorating or preventing at least one adverse side effect associated with the administration of 30.6 antibody to a subject, the method comprising administering an effective amount of an H1 and/or H2 receptor antagonist to the subject in conjunction with administration of the 30.6 antibody.

In a preferred embodiment of the first and second aspects of the present invention, the method comprises administering an H1 and H2 receptor antagonist.

In a preferred embodiment of the present invention, the H1 and/or H2 receptor antagonist is a non-specific antagonist. By 'non-specific' we mean that the H1 or H2 receptor antagonist interferes with the activity of at least one other histamine receptor. Using non-specific H1 and H2 antagonists, it is possible to administer to the subject a combination of antagonists which effectively interferes with or blocks the activity of all histamine receptors (eg. the H1, H2 and H3 receptors).

In a further preferred embodiment of the present invention the H1 receptor antagonist is selected from the group consisting of promethazine, pheniramine, trimeprazine, methodilazine, cyproheptadine, dexchlorpheniramine, fexofenadine, pseudoephidrine, azatidine, cetirizine and pharmaceutically acceptable salts thereof. Preferably, the H1 receptor agonist is promethazine or a pharmaceutically acceptable salt thereof.

In a further preferred embodiment, the H2 receptor antagonist is ranitidine or a pharmaceutically acceptable salt thereof.

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In a further preferred embodiment, the H1 and/or H2 receptor antagonists is administered to the subject prior to administration of 30.6 antibody. Preferably the antagonists are administered at least one hour prior to 30.6 antibody administration.



(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD OF TREATING CARCINOMA USING ANTIBODY THERAPY AND AMELIORATING SIDE EFFECTS ASSOCIATED WITH SUCH THERAPY

(57) Abstract: The present invention relates to a method of ameliorating or preventing temporal progression of burning cutaneous erythema in a subject which method comprises administering to a subject in need thereof an effective amount of an H1 and/or H2 receptor antagonist. The present invention also relates to a method of treating colorectal carcinoma in a subject, the method comprising administering to the subject 30.6 antibody and an amount of an H1 and/or H2 receptor antagonist effective in reducing at least one adverse side effect associated with administration of an H1 and/or H2 receptor antagonist. The present invention further relates to a adverse side effect associated with the administration of 30.6 antibody to a subject, method comprising administering an effective amount of an H1 and/or H2 receptor antagonist to the subject in conjunction with administration of the 30.6 antibody.

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	INTERNATIONAL SLARCH REPORT			nal application No. 100/00638
A. (CLASSIFICATION OF SUBJECT MATTER			
	A61K 39/40, 31/341, 31/5415, A61P 35/00			
According to I	nternational Patent Classification (IPC) or to both i	national classification and	IPC	
	FTELDS SEARCHED			
A61K AND I	mentation searched (classification system followed by cla KEY WORDS AS SET OUT BELOW			
AU: AS ABO				
	base consulted during the international search (name of RYTHEMA, 30.6 ANTIBODY, H1 and H2 RECEPTOR PROMETHAZINE, RANITIDINE AND RELATED TER		cable, search	terms used)
C.	DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document, with indication, where app	propriate, of the relevant p	passages	Relevant to claim No.
x	Indian J. Med. Res. [B] 96, April 1992, C.K. efficacy of Rantidine with & without Dimeth induced cutaneous reactions", pages 128-132 Whole document	lendine maleate on hista	mue -	1, 4-7, 10-14
x	Journal of Applied Toxicology, Vol. 15(2), 1 "Reduction of Erythema in Hairless Guinea F Mustard Vapor Exposure by Pretreatment wi and Indomethacm", pages 133-138 Whole document	Pigs after Cutaneous Su	ITUI	1, 5, 6, 10, 12, 13
x	Further documents are listed in the continuation	on of Box C See	patent fan	nily annex
"A" documot c "E" earli the ii "L" documor w anot "O" documor w anot	thich is cited to establish the photocards dute of the cited on other special reason (as specified) ment referring to an oral disclosure, use,	priority date and not in understand the princip document of particular be considered novel or inventive step when the document of particular be considered to involue with one or combined with one or combination being ob	a conflict with all or theory user relevance; it is cannot be comed in relevance; it we an invention more others in vious to a per the same pate	the claimed invention cannot we step when the document is such documents, such son skilled in the art ant family
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PO BOX 200 E-mail addre	N PATENT OFFICE), WODEN ACT 2606, AUSTRALIA 255 pc@ipaustralia.gov.au 10 (02) 6285 3929	S. CHEW Telephone No · (02) 62	83 2248	

INTERNATIONAL SEARCH REPORT

International application No.

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT			
Calegory.	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to	
	Dis Colon Rectum, Vol. 38(5) May 1995, L.B. Svendsen et al. "Cimendine as an		
	adjuvant treatment in colorectal cancer. A double-blind randomised pilot study", pages		
	514-518	1	
A	Whole document	1-18	
		1	